



Fig. 17 Composite architecture developed to produce compressive layers within body formed of polyhedra of one or more materials, separated and bonded together with compressive layers formed of another material. Figure illustrates that this architecture is produced by coating spheres formed of one or more materials with another material that will produced a compressive stress, packing them together, pressing them together to convert the point contact into a complete area contact (follow arrows from top to bottom, and then heat treating the array at high temperatures to bond the polyhedra together and produce densification.)